

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

Claims 1-20. (Cancelled)

21. (Currently Amended) A process for the preparation of a catalyst composition, comprising:

providing a solid support comprising TiO_2 in an amount of at least 70 wt.%, WO_3 in an amount of 5-20 wt.%, and optionally SiO_2 in an amount of up to 15 wt.%;

contacting the solid support with a vanadate (REVO_4) of at least one rare earth metal (RE) selected from the group consisting of Y, Ce, Pr, Nd, Sm, Gd, Tb, Dy, Er and Yb to form a slurry comprising the solid support and vanadate (REVO_4); and

drying and calcining the slurry to yield the catalyst composition.

22. (Previously Presented) A catalyst composition obtainable according to the process of claim 21.

23. (Previously Presented) A process for the preparation of a catalyst composition as in claim 21, wherein the solid support includes SiO_2 in an amount of up to 15 wt.%.

24. (Currently Amended) A catalyst composition obtained from the process of claim 21 ~~22~~, wherein the solid support includes SiO_2 in an amount of up to 15 wt.%.

25. (Previously Presented) A catalyst composition obtained according to the process of claim 21.

26. (Currently Amended) A process for the preparation of a catalyst composition as in claim 21, wherein the process yields catalyst composition ~~catalyst composition~~ is a selective catalytic reduction catalyst.

27. (Previously Presented) A catalyst composition as in claim 22, wherein the catalyst composition is a selective catalytic reduction catalyst.

28. (Currently Amended) A process for the preparation of a catalyst composition as in claim 21, wherein the process yields catalyst composition is a selective catalytic reduction catalyst.

29. (Previously Presented) A catalyst composition as in claim 24, wherein the catalyst composition is a selective catalytic reduction catalyst.

30. (Previously Presented) A catalyst composition as in claim 25, wherein the catalyst composition is a selective catalytic reduction catalyst.

31. (New) A process for the preparation of a catalyst composition as in claim 21, wherein the rare earth metal (RE) is selected from the group consisting of Pr, Sm, Gd, Tb, Dy and Er.

32. (New) A process for the preparation of a catalyst composition as in claim 21, wherein the rare earth metal (RE) is selected from the group consisting of Sm, Gd, Tb, Dy and Er.

33. (New) A process for the preparation of a catalyst composition as in claim 21, wherein the rare earth metal (RE) is selected from the group consisting of Tb and Er.

34. (New) A process for the preparation of a catalyst composition, comprising:
providing a solid support comprising TiO_2 in an amount of at least 70 wt.%, WO_3 in an amount of 5-20 wt.%, and optionally SiO_2 in an amount of up to 15 wt.%;
contacting the solid support with an aqueous solution containing a vanadium salt and a salt of at least one rare earth metal selected from the group consisting of Y, Ce, Pr, Nd, Sm, Gd, Tb, Dy, Er and Yb to form a slurry comprising the solid support and reaction products of the vanadium salt and the salt of the at least one rare earth metal; and
drying and calcining the slurry to yield the catalyst composition.

35. (New) A process for the preparation of a catalyst composition as in claim 34, wherein the solid support includes SiO_2 in an amount of up to 15 wt.%.

36. (New) A process for the preparation of a catalyst composition as in claim 34, wherein the process yields a selective catalytic reduction catalyst.

37. (New) A selective catalytic reduction catalyst obtained according to the process of claim 36.

38. (New) A process for the preparation of a catalyst composition, comprising:
providing a solid support comprising TiO_2 in an amount of at least 70 wt.%, WO_3 in an amount of 5-20 wt.%, and optionally SiO_2 in an amount of up to 15 wt.%;
contacting the solid support with a vanadium salt and a hydroxide of at least one rare earth metal selected from the group consisting of Y, Ce, Pr, Nd, Sm, Gd, Tb, Dy, Er and Yb to form a slurry comprising the solid support and reaction products of the vanadium salt and the hydroxide of the at least one rare earth metal; and
drying and calcining the slurry to yield the catalyst composition.

39. (New) A process for the preparation of a catalyst composition as in claim 36, wherein the solid support includes SiO_2 in an amount of up to 15 wt.%.

40. (New) A catalyst composition obtained according to the process of claim 38.